

Experiment Number: 20712 - 01
Test Type: 90 DAY W/PN EXP
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

Custom Report with Litter-Based Statistics

NTP Study Number: C20712
Lock Date: 04/12/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.5.0.0_sfh
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF TRIS(CHLOROPROPYL)PHOSPHATE

MALE RATS

Organ

Heart

Kidney

Liver: Bile Duct

Lung

Lymph Node, Mandibular: Lymphocyte

Lymph Node, Mesenteric: Lymphocyte

Preputial Gland

Spleen: Lymphocyte

Thymus: Lymphocyte

Morphology

Cardiomyopathy

Nephropathy

Hyperplasia

Inflammation Chronic

Depletion

Depletion

Inflammation Chronic

Depletion

Depletion

FEMALE RATS

Organ

Liver: Bile Duct

Lymph Node, Mandibular: Lymphocyte

Lymph Node, Mesenteric: Lymphocyte

Spleen

Morphology

Hyperplasia

Depletion

Depletion

Pigmentation Hemosiderin

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|----------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Adrenal Cortex Hypertrophy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267N | (e) | (e) | P=0.500N | P=0.500N |
| RAO-SCOTT | P=0.443N | (e) | (e) | P=0.709N | P=0.709N |
| LITTER C-A/FISHERS | P=0.263N | (e) | (e) | P=0.500N | P=0.500N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|----------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Blood Vessel: Aorta | | | | | |
| Mineralization | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

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First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|------------------------------------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Harderian Gland Infiltration Cellular Lymphohistiocytic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
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 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|--------------------------|------------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Heart Cardiomyopathy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 4/10 (40%) | 0/0 (0%) | 0/0 (0%) | 4/10 (40%) | 0/10 (0%) |
| LITTERS (b) | 3/5 (60%) | 0/0 (0%) | 0/0 (0%) | 4/5 (80%) | 0/5 (0%) |
| POLY-3 RATE (c) | 4/10.00 | 0/0.00 | 0/0.00 | 4/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 40% | 0% | 0% | 40% | 0% |
| TERMINAL (d) | 4/10 (40%) | 0/0 (0%) | 0/0 (0%) | 4/10 (40%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.038N* | (e) | (e) | P=0.675N | P=0.043N* |
| RAO-SCOTT | P=0.065N | (e) | (e) | P=0.696 | P=0.087N |
| LITTER C-A/FISHERS | P=0.057N | (e) | (e) | P=0.500 | P=0.083N |

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Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

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First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|---------------------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Intestine Small, Duodenum Ectopic Tissue | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

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 Route: DOSED FEED
 Species/Strain: RATS/HSD

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Tris(Chloropropyl)phosphate

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First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|-----------------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney Accumulation, Hyaline Droplet | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

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 Tris(Chloropropyl)phosphate
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|--------------------------|------------|----------|----------|------------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney Nephropathy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 8/10 (80%) | 0/0 (0%) | 0/0 (0%) | 5/10 (50%) | 0/10 (0%) |
| LITTERS (b) | 5/5 (100%) | 0/0 (0%) | 0/0 (0%) | 4/5 (80%) | 0/5 (0%) |
| POLY-3 RATE (c) | 8/10.00 | 0/0.00 | 0/0.00 | 5/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 80% | 0% | 0% | 50% | 0% |
| TERMINAL (d) | 8/10 (80%) | 0/0 (0%) | 0/0 (0%) | 5/10 (50%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001N** | (e) | (e) | P=0.175N | P<0.001N** |
| RAO-SCOTT | P<0.001N** | (e) | (e) | P=0.176N | P<0.001N** |
| LITTER C-A/FISHERS | P=0.002N** | (e) | (e) | P=0.500N | P=0.004N** |

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 Tris(Chloropropyl)phosphate
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|------------------------------|------------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney: Pelvis Dilatation | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 1/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.327N | (e) | (e) | P=0.763N | P=0.500N |
| RAO-SCOTT | P=0.411N | (e) | (e) | P=0.811 | P=0.637N |
| LITTER C-A/FISHERS | P=0.321N | (e) | (e) | P=0.778 | P=0.500N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|---------------------------------------------------------|-----------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney: Renal Tubule Calculus Micro Observation Only | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 2/5 (40%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 2/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 20% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.673 | (e) | (e) | P=0.237 | (e) |
| RAO-SCOTT | P=0.707 | (e) | (e) | P=0.372 | (e) |
| LITTER C-A/FISHERS | P=0.679 | (e) | (e) | P=0.222 | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|----------------------------------|-----------|-----------|------------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Infiltration Cellular Mixed Cell | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 10% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | 95 (T) | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.640N | (e) | P=0.500 | (e) | (e) |
| RAO-SCOTT | P=0.758N | (e) | P=0.734 | (e) | (e) |
| LITTER C-A/FISHERS | P=0.641N | (e) | P=0.500 | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Inflammation Chronic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Pigmentation Hemosiderin | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

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Tris(Chloropropyl)phosphate

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|---------------------------------|-----------|-----------|-----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Bile Duct Hyperplasia | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 8/10 (80%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 5/5 (100%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 8/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 80% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 8/10 (80%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.207 | (e) | (e) | P<0.001** | (e) |
| RAO-SCOTT | P=0.211 | (e) | (e) | P<0.001** | (e) |
| LITTER C-A/FISHERS | P=0.298 | (e) | (e) | P=0.004** | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|--------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Capsule | | | | | |
| Fibrosis | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
Test Type: 90 DAY W/PN EXP
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|------------------------------------------------|-----------|-----------|-----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Hepatocyte Vacuolization Cytoplasmic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/1.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 99.9% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 5 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.142 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.360 | (e) | (e) | (e) | P=0.734 |
| LITTER C-A/FISHERS | P=0.140 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|--------------------------|------------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Hemorrhage | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 1/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.327N | (e) | (e) | P=0.763N | P=0.500N |
| RAO-SCOTT | P=0.411N | (e) | (e) | P=0.811 | P=0.637N |
| LITTER C-A/FISHERS | P=0.321N | (e) | (e) | P=0.778 | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|----------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Inflammation Acute | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267N | (e) | (e) | P=0.500N | P=0.500N |
| RAO-SCOTT | P=0.443N | (e) | (e) | P=0.709N | P=0.709N |
| LITTER C-A/FISHERS | P=0.263N | (e) | (e) | P=0.500N | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|------------------------------|-----------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Inflammation Chronic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 4/10 (40%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 4/5 (80%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 4/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 40% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 4/10 (40%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.629 | (e) | (e) | P=0.043* | (e) |
| RAO-SCOTT | P=0.629 | (e) | (e) | P=0.047* | (e) |
| LITTER C-A/FISHERS | P=0.640 | (e) | (e) | P=0.024* | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|----------------------------------------------------|------------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung: Alveolus Infiltration Cellular Histiocyte | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 1/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.327N | (e) | (e) | P=0.763N | P=0.500N |
| RAO-SCOTT | P=0.411N | (e) | (e) | P=0.811 | P=0.637N |
| LITTER C-A/FISHERS | P=0.321N | (e) | (e) | P=0.778 | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|----------------------------------------------|-----------|-----------|-----------|------------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lymph Node, Mandibular: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 8/9 (89%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) | 5/5 (100%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 8/8.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | 4 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | P=0.500 | P<0.001** |
| RAO-SCOTT | P<0.001** | (e) | (e) | P=0.500 | P<0.001** |
| LITTER C-A/FISHERS | P<0.001** | (e) | (e) | P=0.500 | P=0.004** |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|----------------------------------------------|-----------|-----------|-----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lymph Node, Mesenteric: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 9/9 (100%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 5/5 (100%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 9/9.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 4 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P<0.001** |
| RAO-SCOTT | P<0.001** | (e) | (e) | (e) | P<0.001** |
| LITTER C-A/FISHERS | P<0.001** | (e) | (e) | (e) | P=0.004** |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|---------------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pancreas: Acinus Atrophy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267N | (e) | (e) | P=0.500N | P=0.500N |
| RAO-SCOTT | P=0.443N | (e) | (e) | P=0.709N | P=0.709N |
| LITTER C-A/FISHERS | P=0.263N | (e) | (e) | P=0.500N | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|-----------------------------------------|-----------|----------|----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pancreas: Acinus Depletion Secretory | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 1/1.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 99.9% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 5 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.443 | (e) | (e) | (e) | P=0.709 |
| LITTER C-A/FISHERS | P=0.263 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|-------------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pituitary Gland: Pars Distalis Cyst | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
Test Type: 90 DAY W/PN EXP
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|---------------------------------------|-----------|----------|----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Preputial Gland Inflammation Acute | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 1/1.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 99.9% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 4 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.443 | (e) | (e) | (e) | P=0.709 |
| LITTER C-A/FISHERS | P=0.263 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|-----------------------------------------|------------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Preputial Gland Inflammation Chronic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 5/10 (50%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) | 0/10 (0%) |
| LITTERS (b) | 4/5 (80%) | 0/0 (0%) | 0/0 (0%) | 2/5 (40%) | 0/5 (0%) |
| POLY-3 RATE (c) | 5/10.00 | 0/0.00 | 0/0.00 | 2/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 50% | 0% | 0% | 20% | 0% |
| TERMINAL (d) | 5/10 (50%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.009N** | (e) | (e) | P=0.175N | P=0.016N* |
| RAO-SCOTT | P=0.014N* | (e) | (e) | P=0.205N | P=0.030N* |
| LITTER C-A/FISHERS | P=0.012N* | (e) | (e) | P=0.262N | P=0.024N* |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|------------------------------|-----------|----------|----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Prostate Inflammation | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 1/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.733 | (e) | (e) | P=0.500 | (e) |
| RAO-SCOTT | P=0.792 | (e) | (e) | P=0.709 | (e) |
| LITTER C-A/FISHERS | P=0.737 | (e) | (e) | P=0.500 | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|------------------------------------|------------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Spleen Pigmentation Hemosiderin | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/0.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.360N | P=0.500N | P=0.500N | P=0.500N | P=0.500N |
| RAO-SCOTT | P=0.567N | P=0.734N | P=0.734N | P=0.734N | P=0.734N |
| LITTER C-A/FISHERS | P=0.359N | P=0.500N | P=0.500N | P=0.500N | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|------------------------------|-----------|-----------|-----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Spleen: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 8/10 (80%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 5/5 (100%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 8/8.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 4 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P<0.001** |
| RAO-SCOTT | P<0.001** | (e) | (e) | (e) | P<0.001** |
| LITTER C-A/FISHERS | P<0.001** | (e) | (e) | (e) | P=0.004** |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | |
|-------------------------------|-----------|----------|----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Stomach, Glandular Hemorrhage | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/10.00 | 1/1.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 99.9% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 5 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.267 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.443 | (e) | (e) | (e) | P=0.709 |
| LITTER C-A/FISHERS | P=0.263 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | |
|------------------------------|-----------|-----------|-----------|-----------|--------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Thymus: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 5/5 (100%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/0 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 4 |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P<0.001** |
| RAO-SCOTT | P<0.001** | (e) | (e) | (e) | P<0.001** |
| LITTER C-A/FISHERS | P<0.001** | (e) | (e) | (e) | P=0.004** |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Adrenal Cortex Hypertrophy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| Females | | | | | |
|--------------------------|-----------|----------|----------|-----------|------------|
| DOSE | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Blood Vessel: Aorta | | | | | |
| Mineralization | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.304 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.675 | (e) | (e) | (e) | P=0.675 |
| LITTER C-A/FISHERS | P=0.500 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| Females | | | | | |
|-----------------------------------------|------------|----------|----------|-----------|-----------|
| DOSE | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Harderian Gland | | | | | |
| Infiltration Cellular Lymphohistiocytic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 2/5 (40%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.132N | (e) | (e) | (e) | P=0.237N |
| RAO-SCOTT | P=0.333N | (e) | (e) | (e) | P=0.333N |
| LITTER C-A/FISHERS | P=0.215N | (e) | (e) | (e) | P=0.222N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|--------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Heart Cardiomyopathy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|---------------------------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Intestine Small, Duodenum Ectopic Tissue | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.304N | (e) | (e) | (e) | P=0.500N |
| RAO-SCOTT | P=0.675N | (e) | (e) | (e) | P=0.675N |
| LITTER C-A/FISHERS | P=0.500N | (e) | (e) | (e) | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|-------------------------------------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney Accumulation, Hyaline Droplet | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.304N | (e) | (e) | (e) | P=0.500N |
| RAO-SCOTT | P=0.675N | (e) | (e) | (e) | P=0.675N |
| LITTER C-A/FISHERS | P=0.500N | (e) | (e) | (e) | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|--------------------------|------------|----------|----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney Nephropathy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) |
| LITTERS (b) | 2/5 (40%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 2/5 (40%) |
| POLY-3 RATE (c) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.610 | (e) | (e) | (e) | P=0.709N |
| RAO-SCOTT | P=0.712 | (e) | (e) | (e) | P=0.712 |
| LITTER C-A/FISHERS | P=0.741 | (e) | (e) | (e) | P=0.738 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney: Pelvis Dilatation | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| Females | | | | | |
|---------------------------------------------------------|-----------|----------|----------|-----------|-----------|
| DOSE | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Kidney: Renal Tubule Calculus Micro Observation Only | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Infiltration Cellular Mixed Cell | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|--------------------------|-----------|------------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Inflammation Chronic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 1/5 (20%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 1/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | 95 (T) | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.500N | P=0.500 | (e) | (e) | (e) |
| RAO-SCOTT | P=0.668N | P=0.734 | (e) | (e) | (e) |
| LITTER C-A/FISHERS | P=0.500N | P=0.500 | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|--------------------------|-----------|-----------|-----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver | | | | | |
| Pigmentation Hemosiderin | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.640 | (e) | (e) | P=0.500 | (e) |
| RAO-SCOTT | P=0.758 | (e) | (e) | P=0.734 | (e) |
| LITTER C-A/FISHERS | P=0.641 | (e) | (e) | P=0.500 | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|---------------------------------|-----------|-----------|-----------|------------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Bile Duct Hyperplasia | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) | 5/10 (50%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 3/5 (60%) | 3/5 (60%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 4/10.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 40% | 50% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) | 5/10 (50%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | P=0.043* | P=0.016* |
| RAO-SCOTT | P=0.006** | (e) | (e) | P=0.171 | P=0.103 |
| LITTER C-A/FISHERS | P=0.004** | (e) | (e) | P=0.083 | P=0.083 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------|-----------|-----------|-----------|------------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Capsule Fibrosis | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 10% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | 95 (T) | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.640 | (e) | (e) | P=0.500 | (e) |
| RAO-SCOTT | P=0.758 | (e) | (e) | P=0.734 | (e) |
| LITTER C-A/FISHERS | P=0.641 | (e) | (e) | P=0.500 | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Liver: Hepatocyte Vacuolization Cytoplasmic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|--------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Hemorrhage | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Inflammation Acute | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung Inflammation Chronic | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lung: Alveolus Infiltration Cellular Histiocyte | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 2/5 (40%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 2/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.132N | (e) | (e) | (e) | P=0.237N |
| RAO-SCOTT | P=0.333N | (e) | (e) | (e) | P=0.333N |
| LITTER C-A/FISHERS | P=0.215N | (e) | (e) | (e) | P=0.222N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------------------------|------------|-----------|-----------|------------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lymph Node, Mandibular: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 6/10 (60%) |
| LITTERS (b) | 1/5 (20%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) | 5/5 (100%) |
| POLY-3 RATE (c) | 1/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 6/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 60% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 6/10 (60%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | 95 (T) | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | P=0.500N | P=0.500N | P=0.763N | P=0.029* |
| RAO-SCOTT | P<0.001** | P=0.500N | P=0.500N | P=0.772 | P=0.030* |
| LITTER C-A/FISHERS | P<0.001** | P=0.500N | P=0.500N | P=0.778 | P=0.024* |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|----------------------------------------------|-----------|-----------|-----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Lymph Node, Mesenteric: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 3/5 (60%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 40% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P=0.043* |
| RAO-SCOTT | P=0.011* | (e) | (e) | (e) | P=0.171 |
| LITTER C-A/FISHERS | P=0.002** | (e) | (e) | (e) | P=0.083 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|--------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Ovary Cyst | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.304N | (e) | (e) | (e) | P=0.500N |
| RAO-SCOTT | P=0.675N | (e) | (e) | (e) | P=0.675N |
| LITTER C-A/FISHERS | P=0.500N | (e) | (e) | (e) | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|---------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pancreas: Acinus Atrophy | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|-----------------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pancreas: Acinus Depletion Secretory | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|-------------------------------------|------------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Pituitary Gland: Pars Distalis Cyst | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 1/5 (20%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 1/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 1/10 (10%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.304N | (e) | (e) | (e) | P=0.500N |
| RAO-SCOTT | P=0.675N | (e) | (e) | (e) | P=0.675N |
| LITTER C-A/FISHERS | P=0.500N | (e) | (e) | (e) | P=0.500N |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tris(Chloropropyl)phosphate
 CAS Number: 13674-84-5

Date Report Requested: 04/05/2019
 Time Report Requested: 11:42:40
 First Dose M/F: 09/13/09 / 09/14/09
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD) TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | |
|------------------------------------|------------|------------|------------|------------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Spleen Pigmentation Hemosiderin | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 9/10 (90%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 9/10 (90%) |
| LITTERS (b) | 5/5 (100%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 5/5 (100%) |
| POLY-3 RATE (c) | 9/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 90% | 0% | 0% | 0% | 90% |
| TERMINAL (d) | 9/10 (90%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 9/10 (90%) |
| FIRST INCIDENCE | 95 (T) | --- | --- | --- | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.048* | P<0.001N** | P<0.001N** | P<0.001N** | P=0.763N |
| RAO-SCOTT | P=0.048* | P<0.001N** | P<0.001N** | P<0.001N** | P=0.772 |
| LITTER C-A/FISHERS | P=0.124 | P=0.004N** | P=0.004N** | P=0.004N** | P=1.000 |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|------------------------------|-----------|-----------|-----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Spleen: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|-------------------------------|-----------|----------|----------|-----------|-----------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Stomach, Glandular Hemorrhage | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| LITTERS (b) | 0/5 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/5 (0%) |
| POLY-3 RATE (c) | 0/10.00 | 0/0.00 | 0/0.00 | 0/0.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/0 (0%) | 0/0 (0%) | 0/0 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | (n) | (e) | (e) | (e) | (e) |
| RAO-SCOTT | (n) | (e) | (e) | (e) | (e) |
| LITTER C-A/FISHERS | (n) | (e) | (e) | (e) | (e) |

Experiment Number: 20712 - 01
 Test Type: 90 DAY W/PN EXP
 Route: DOSED FEED
 Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 04/05/2019

Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | |
|------------------------------|-----------|-----------|-----------|-----------|------------|
| | 0 ppm | 2500 ppm | 5000 ppm | 10000 ppm | 20000 ppm |
| Thymus: Lymphocyte Depletion | | | | | |
| LESION RATES | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| LITTERS (b) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 0/5 (0%) | 1/5 (20%) |
| POLY-3 RATE (c) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 95 (T) |
| STATISTICAL TESTS | | | | | |
| COCH-ARM / FISHERS | P=0.142 | (e) | (e) | (e) | P=0.500 |
| RAO-SCOTT | P=0.360 | (e) | (e) | (e) | P=0.734 |
| LITTER C-A/FISHERS | P=0.140 | (e) | (e) | (e) | P=0.500 |

Experiment Number: 20712 - 01

Test Type: 90 DAY W/PN EXP

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

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Time Report Requested: 11:42:40

First Dose M/F: 09/13/09 / 09/14/09

Lab: BAT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of litters with tumor-bearing animals/number of litters examined at site
 - (c) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if there are no tumors in any dose groups.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.
- The Rao-Scott statistic performs the Cochran-Armitage test with an adjustment for within-litter correlation. No survival adjustments are included.
- The Litter C-A/Fishers statistic compares directly the litter incidence rates.

*** END OF REPORT ***